



POLYURETHANE FOAM - Part A

Part #8145

Safety Data Sheet

Filler, Floatation and Insulation

- Flotation in Boats Under Decks
- Water-Resistant Insulation for Vehicles

CHEMTREC 24-HR EMERGENCY RESPONSE NUMBER

800-424-9300 • OUTSIDE US 703-527-3887

CHEMTREC should only be called in the event of chemical emergencies involving spill, leak, fire, exposure, or accident involving chemicals.



OVER
35
YEARS

Sect. 1 – Product Identification

Product Name: **POLYURETHANE FOAM**
Product Use: **Rigid Urethane Foam System**
Appearance: **Amber Liquid**
Cas Number: **Mixture**

Synonyms: **ELASTOPOR P 15390R RESIN**
Revision Date: **October 2013**
Prepared by : **VP RD&I**

Sect. 2 – Hazardous Identification

EMERGENCY OVERVIEW: Caution. May cause eye, skin and respiratory tract irritation. Can cause Nervous system damage. Sensitizer.

EYES: May cause moderate to serious eye damage. Not expected to cause permanent damage if promptly rinsed from eyes.

SKIN: May cause severe skin irritation. Prolonged and/or repeated skin contact may cause irritation characterized by redness, cracking and blistering. Skin contact may produce burns, corrosive to the skin.

INHALATION: May cause respiratory tract irritation. Exposure to high concentrations may cause central nervous system effects, including headache, drowsiness, nausea, and dizziness.

INGESTION: May cause gastrointestinal disturbances such as nausea, vomiting, diarrhea.

CARCINOGENS: This product contains no materials that are reported as known or suspect carcinogens.

CHRONIC EFFECTS: Repeated inhalation of vapors may cause lung damage. Repeated skin contact may cause a persistent irritation or dermatitis. Overexposure to vapor, dust, or mist may aggravate existing respiratory conditions such as asthma, bronchitis, and inflammatory or fibrotic respiratory disease.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Skin, eyes, respiratory tract.

HMIS Rating: Health: 1 Flammability: 1 Reactivity: 1

Sect. 3 – Composition/Information on Ingredients

Hazardous Components	Cas Number	Percentage Range by Weight	Reg Agency	PPM	MG/M3
Polyol	Trade Secret	<80	OSHA TWA		2
Flame Retardant	Trade Secret	<15	OSHA TWA OSHA STEL	N/A N/A	N/A N/A
Surfactant	Trade Secret	<3	ACGIH TWA OSHA TWA	N/A N/A	N/A N/A
1,1,1,3,3,-pentafluoropropane	460-73-1	<10	ACGIH TLV OSHA PEL	N/A	N/A

Sect. 4 – First Aid Measures

EYE CONTACT: Hold one eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing the eye. Contact a poison control center for treatment advice.

SKIN CONTACT: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice. Wash contaminated clothing before reuse.

INHALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. Call a poison control center or doctor for further treatment advice.

INGESTION: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: There is no specific antidote for effects from overexposure to the material. Treatment should be directed at the control of symptoms and the clinical condition.

Sect. 5 – Fire Fighting Measures

FLASH POINT: >194.4°F/93°C (open cup) **Auto ignition:** No data available

EXTINGUISHING MEDIA: Use dry chemical, carbon dioxide, water spray, or foam.

FIRE FIGHTING PROCEDURES: As in any fire, wear complete fire service protective equipment, including full-face MSHA/NIOSH approved or equivalent self-contained breathing apparatus. Use water to cool fire-exposed container/structure/protect personnel.

FIRE AND EXPLOSION HAZARDS: No particular hazards know.

Sect. 6 – Spill and Leak Procedures

Spills should be contained, solidified, and placed in suitable containers for disposal.

Sect. 7 – Handling and Storage

HANDLING: Product should not be mixed with air above atmospheric pressure for leak testing or any other purpose. Use dry nitrogen to transfer or leak test equipment pressurized with product. No explosion proofing necessary.



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STORAGE: Product that is frozen and/or tending to sedimentation can be liquefied or homogenized by careful application of indirect heat(do not use flames or direct contact with a heat source). Protect from direct sunlight. Keep in cool, well-ventilated place. Avoid extreme heat. Store protected against freezing. Stored and transported in a cylinder under pressure.

Storage Stability: 60-80°F/15.55-26.66°C

Sect. 8 – Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Ventilation is normally required when handling or using this product. Facilities storing or utilizing this product should be equipped with and eyewash station and shower.

RESPIRATORY PROTECTION: For use of this material in its uncured state, no respiratory protection should be needed with use of adequate local exhaust, however, if handling at elevated temperatures or without sufficient ventilation, use of an approved air-purifying or supplied air respirator is recommended. Use a CE approved air-purifying respirator with cartridge/filter for Amines or Ammonia.

SKIN PROTECTION: Use protective clothing. Items that could be use are face shield, gloves, boots, apron, dependent on operation.

HAND PROTECTION: Use chemical resistant gloves such as: chlorinated polyethylene, polyethylene, ethyl vinyl alcohol laminate. Protection class for gloves should range from class 3 to class 5 or higher.

Sect. 9 – Physical and Chemical Properties

Weight Per Gallon: 9.06 lbs.
Boiling Range: 60°F/15.60°C
pH: >7.0
Solubility in Water: Insoluble

Auto-Ignition Temperature: No Data Available
Evaporation Rate: N/A
Specific Gravity: 1.09

Sect. 10 – Stability and Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur. Avoid excessive temperature, direct sunlight and moisture

No corrosion effect on metal

Hazardous Decomposition Product(s): carbon monoxide, carbon dioxide

Sect. 11 – Toxicological Information

Symptoms related to the physical, chemical and toxicological characteristics:

Ingestion: Ingestion may cause gastrointestinal irritation or ulceration. Ingestion may cause burns of mouth and throat. Aspiration into the lungs may occur during ingestion or vomiting, causing tissue damage or lung injury.

Skin contact: Prolonged or widespread contact may result in absorption of harmful amounts. May induce pain, severe local redness. Skin contact has caused allergic skin reactions in certain sensitized individuals.

Eyes irritation: may cause pain, irritation, may cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness.

Inhalation irritation: may cause allergic respiratory response. Excessive exposure may cause irritation to upper respiratory tract.

Sect. 12 – Ecological Information

Ecotoxicity: N/A

Persistence and degradability: The material contains components that show little or no evidence of biodegradability. Caution should be taken to prevent release to the environment.

Bioaccumulative potential: N/A

Sect. 13 – Disposal Considerations

Dispose of unusable product in accordance with local, state, and federal regulations. This material, when properly mixed and cured with its resin component at the proper mix ratio, may be safely landfilled.

Sect. 14 – Transportation Information

DOT information for domestic ground transportation:

Not classified as a dangerous good under transportation regulations

Sect. 15 – Regulatory Information

EPA SARA Title III Section 313 toxic chemicals above "de minimis" level are: NONE

CALIFORNIA PROPOSITION 65: this product contains a chemical(s) known to the State of California to cause cancer

EPA REGISTRATION: N/A

Globally Harmonized System



Irritant

Sect. 16 – Other Information

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